



**PRESCRIPTIVE BUILDING ENVELOPE REQUIREMENTS TYPE A-1
RESIDENTIAL BUILDINGS. BASED ON 2003 IRC & 2003 IECC WINDOW
PERCENTAGE OF GROSS EXTERIOR WALL AREA**

**ALL GLAZING SHALL MEET (SHGC) MAXIMUM SOLAR HEAT GAIN
COEFFICIENT FACTOR**

Percent	SHGC	Maximum	Minimum			
	Lower is better.	Glazing U- factor	Ceiling R-value	Exterior wall R-value	Floor R-value	Crawl space R-value
15%	0.40	0.75	R-19	R-11	R-11	R-5
18%	0.40	0.70	R-26	R-13	R-11	R-5
20%	0.40	0.70	R-30	R-13	R-11	R-5
25%	0.40	0.55	R-30	R-13	R-11	R-5

AIR LEAKAGE: JOINTS, PENETRATIONS, AND ALL OTHER SUCH OPENINGS IN THE BUILDING ENVELOPE THAT ARE SOURCES OF AIR LEAKAGE SHALL BE SEALED.

RECESSED LIGHTS SHALL BE TYPE-IC OR IF NON-IC INSTALLED INSIDE AN AIR TIGHT ASSEMBLY.

DUCT INSULATION: R-5 IN UNCONDITIONED SPACE, R-8 OUTSIDE BUILDING, VAPOR RETARDER REQUIRED.

DUCT CONSTRUCTION: ALL JOINTS AND SEAMS SHALL BE SEALED WITH WELDS, MASTICS OR GASKETS OR APPROVED TAPES. DUCT TAPE IS NOT PERMITTED. HVAC SYSTEMS MUST PROVIDE A MEANS FOR BALANCING AIR AND WATER.

TEMPERATURE CONTROLS: A MANUAL OR AUTOMATIC MEANS TO PARTIALLY RESTRICT OR SHUT OFF HEATING AND OR COOLING INPUT TO EACH ZONE OR FLOOR SHALL BE PROVIDED.

WATER HEATERS: REQUIRE HEAT TRAPS ON BOTH INLET AND OUT LET UNLESS THE WATER HEATER HAS AN INTEGRALHEAT TRAP OR IS PART OF A CIRCULATING SYSTEM.

POOLS: ALL HEATED POOLS MUST HAVE AN ON/OFF HEATER SWITCHH AND REQUIRE A COVER UNLESS 20% OF THE HEATING IS FROM NON-DEPLEATABLE SOURCES. POOL PUMPS REQUIRE A TIME CLOCK.

HVAC PIPING INSULATION: COOLING SYSTEMS CHILLED WATER, REFRIGERANT, AND BRINE WITH FLUID TEMP 40-55 F. ½" INSULATION UP TO 1" PIPE, ¾"INSULATION FOR PIPE 1 ¼" TO 2". DOUBLE INSULATION THICKNESS IF BELOW 40 F.

SAMPLE WINDOW STICKER

FENESTRATIONS SHALL ALL BE LABELED WITH AN NFRC STICKER, IT SHALL NOT BE REMOVED UNTIL AN INSULATION INSPECTION HAS PASSED
WINDOW AREA EXEMPT. ONE PERCENT OF THE TOTAL WINDOW AREA COMPUTED SHALL BE EXEMPT FROM THE U-VALUE GLAZING FACTOR BUTT GLAZING COULD BE USED IF ONE PERCENT OR LESS OF TOTAL AREA
ACTUAL WINDOW AREA SHALL BE COMPUTED, INCLUDE SKYLIGHTS, ABOVE GRADE WINDOWS AND IF BASEMENTS ARE CONDITIONED BASEMENT WINDOWS

 National Fenestration Rating Council CERTIFIED		World's Best Window Co. Millennium 2000+ Casement CPD#000-x-000 Vinyl-Clad Wood Frame • Double Glaze Argon Fill • Low E + Solar Control Coatings	
ENERGY Performance			
• Energy savings will depend on your specific climate, house and lifestyle • For more information, call 1-800-123-4567 or visit NFRC's web site at www.nfrc.org			
Res	U-Factor	Solar Heat Gain Coefficient	Visible Transmittance .58
Non-Res			.60
<small>Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product energy performance. NFRC ratings are determined for a fixed set of environmental conditions and specific product sizes.</small>			

OTHER MEANS OF SHOWING COMPLIANCE ARE AVAILABLE TO THE APPLICANT. CHAPTER 4 SYSTEMS ANALYSIS, CHAPTER 5 COMPONENT PERFORMANCE OR RES- CHECK COMPLIANCE SOFTWARE. <http://www.energycodes.gov/rescheck/download.stm> Effective Feb. 9th 2004

